



US 20210094625A1

(19) **United States**(12) **Patent Application Publication**
OKAMURA et al.(10) **Pub. No.: US 2021/0094625 A1**(43) **Pub. Date: Apr. 1, 2021**(54) **BODY OF ELECTRIC VEHICLE**(71) Applicants: **TOYOTA JIDOSHA KABUSHIKI**
KAISHA, Aichi (JP); **SUBARU**
CORPORATION, Tokyo (JP)(72) Inventors: **Junya OKAMURA**, Shibuya-ku (JP);
Ryo KIMURA, Shibuya-ku (JP)(21) Appl. No.: **17/031,901**(22) Filed: **Sep. 25, 2020**(30) **Foreign Application Priority Data**

Sep. 26, 2019 (JP) 2019-176106

Publication Classification(51) **Int. Cl.**
B62D 25/20 (2006.01)
B60K 1/04 (2006.01)(52) **U.S. Cl.**CPC **B62D 25/2036** (2013.01); **B60K 1/04**
(2013.01); **B60L 50/66** (2019.02); **B60K**
2001/0438 (2013.01); **B62D 25/2027**
(2013.01)

(57)

ABSTRACT

A body of an electric vehicle may include: a floor panel; a pair of rockers extending along both side edges of the floor panel, respectively; an indoor floor crossmember protruding upward from the floor panel and connecting the rockers to each other; an outdoor floor crossmember protruding downward from the floor panel, connecting the rockers to each other, and located rearward of the indoor floor crossmember; and a battery case located below the floor panel and housing a battery configured to supply power to a traction motor. The battery case may extend from a position located frontward of the indoor floor crossmember to a position that is located rearward of the indoor floor crossmember and frontward of the outdoor floor crossmember.

10